

Figure 1A

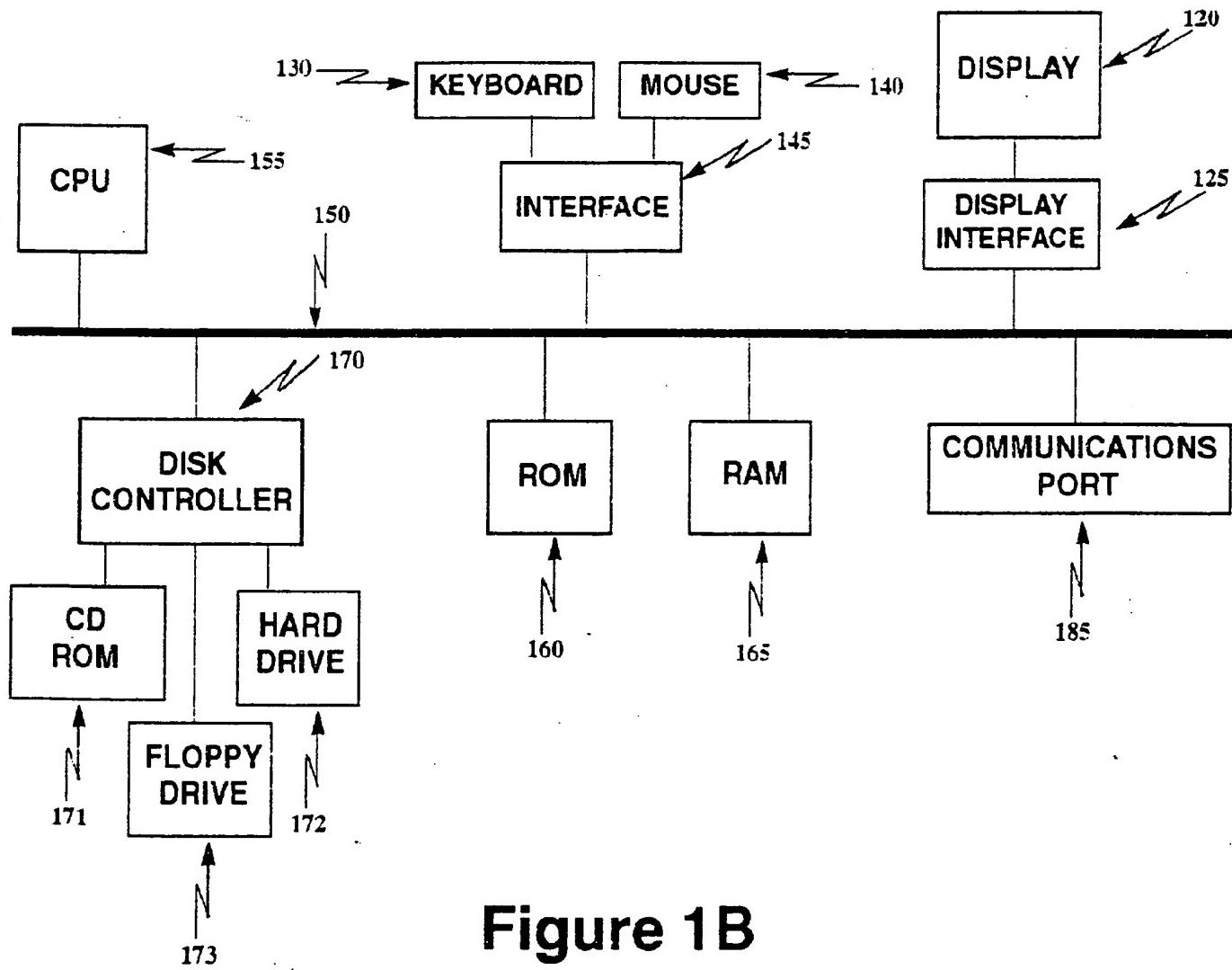


Figure 1B

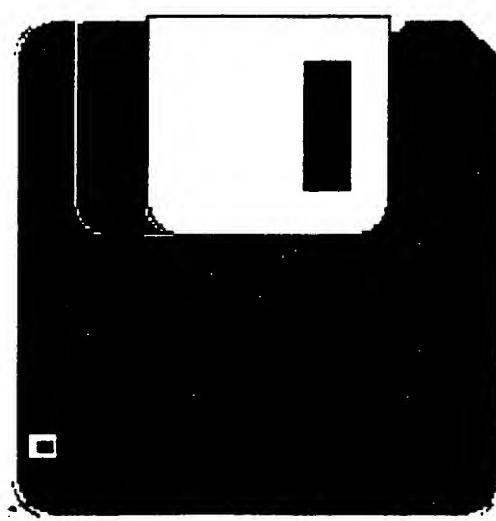


Figure 1C

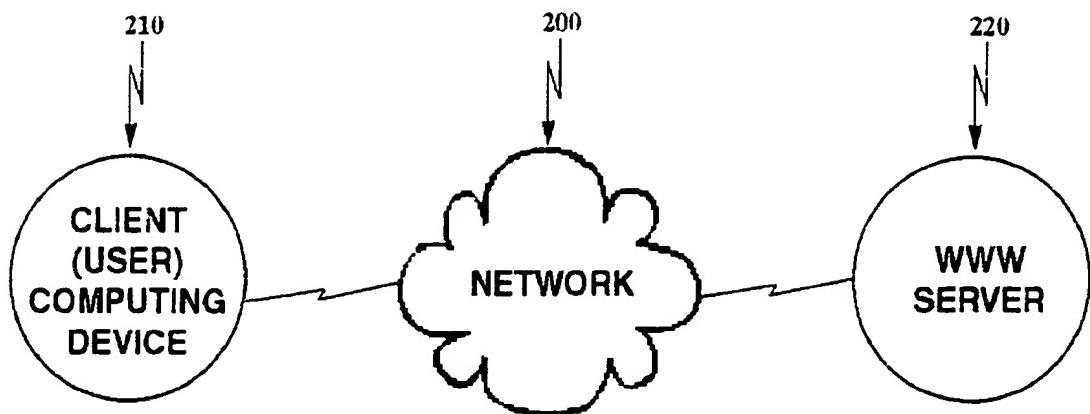


Figure 2A

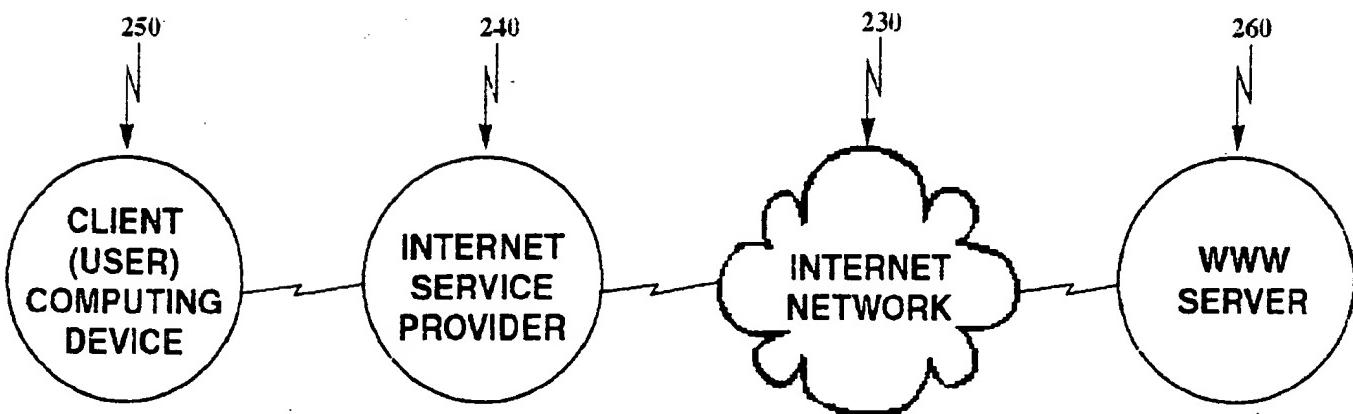


Figure 2B

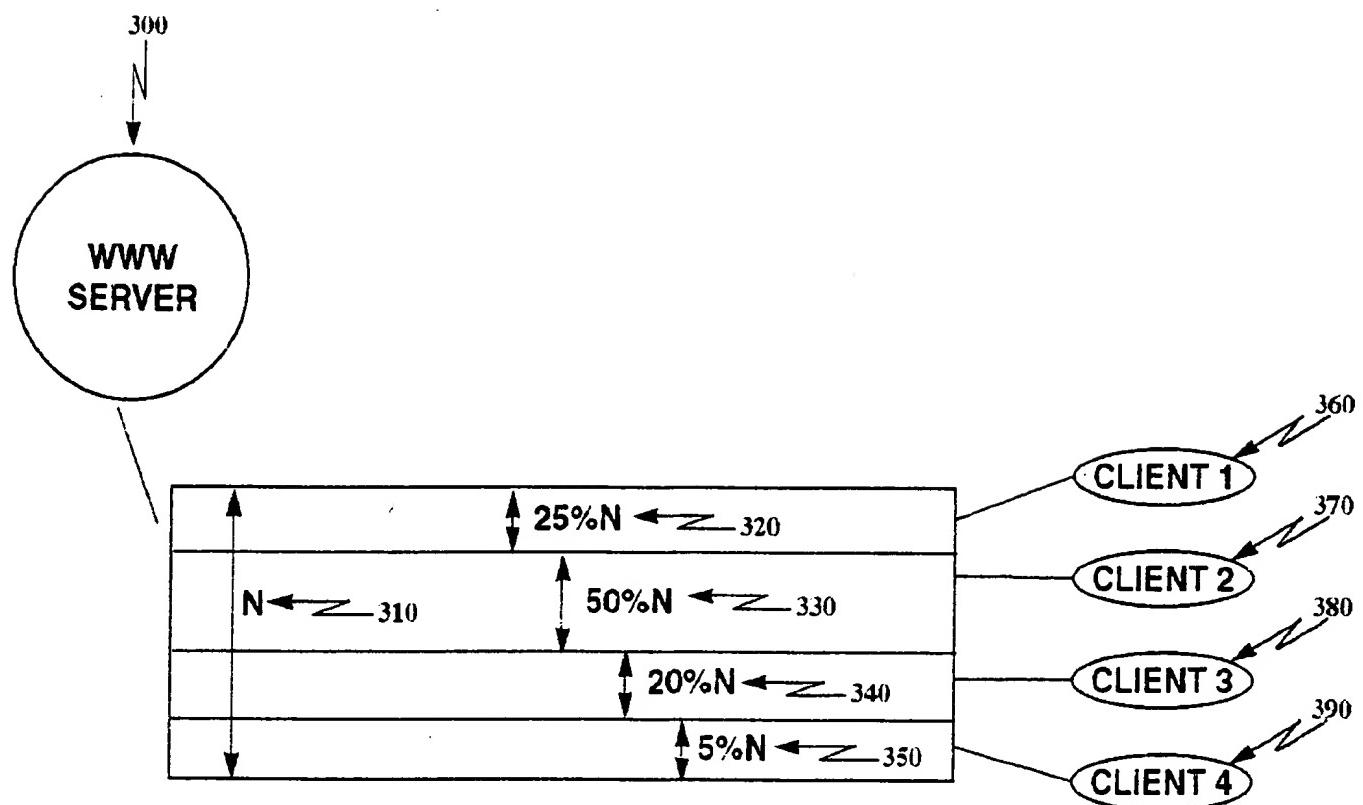


Figure 3

The diagram illustrates a priority queue structure for file types. At the top, two arrows point downwards from labels 400 and 410 to the columns labeled "FILE TYPE" and "PRIORITY". Below this, a table is shown with rows for different file types and their priorities. The table has two columns: "FILE TYPE" and "PRIORITY". The rows are indexed on the left by numbers 420, 440, 460, 480, and 490, and on the right by numbers 430, 450, 470, 485, and 495. The data in the table is as follows:

	FILE TYPE	PRIORITY
420	HTML	4
440	STYLE SHEET	3
460	(RESERVED)	2
480	GIF	1
490	JPG	1
	---	-
	---	-

Figure 4



FILE	PRIORITY	ALLOCATED BANDWIDTH	UTILIZED BANDWIDTH	RECALC
doc1.html	4	28.8 Kbps	14.4 Kbps	False
doc2.html	4	128 Kbps	64 Kbps	False
doc3.html	4	28.8 Kbps	28.8 Kbps	True
image.gif	1	9.6 Kbps	9.6 Kbps	True
—	—	—	—	—

510
N
↓
 520
N
↓
 530
N
↓
 540
N
↓
 550
N
↓

560 →
 565 →
 570 →
 580 →

Figure 5

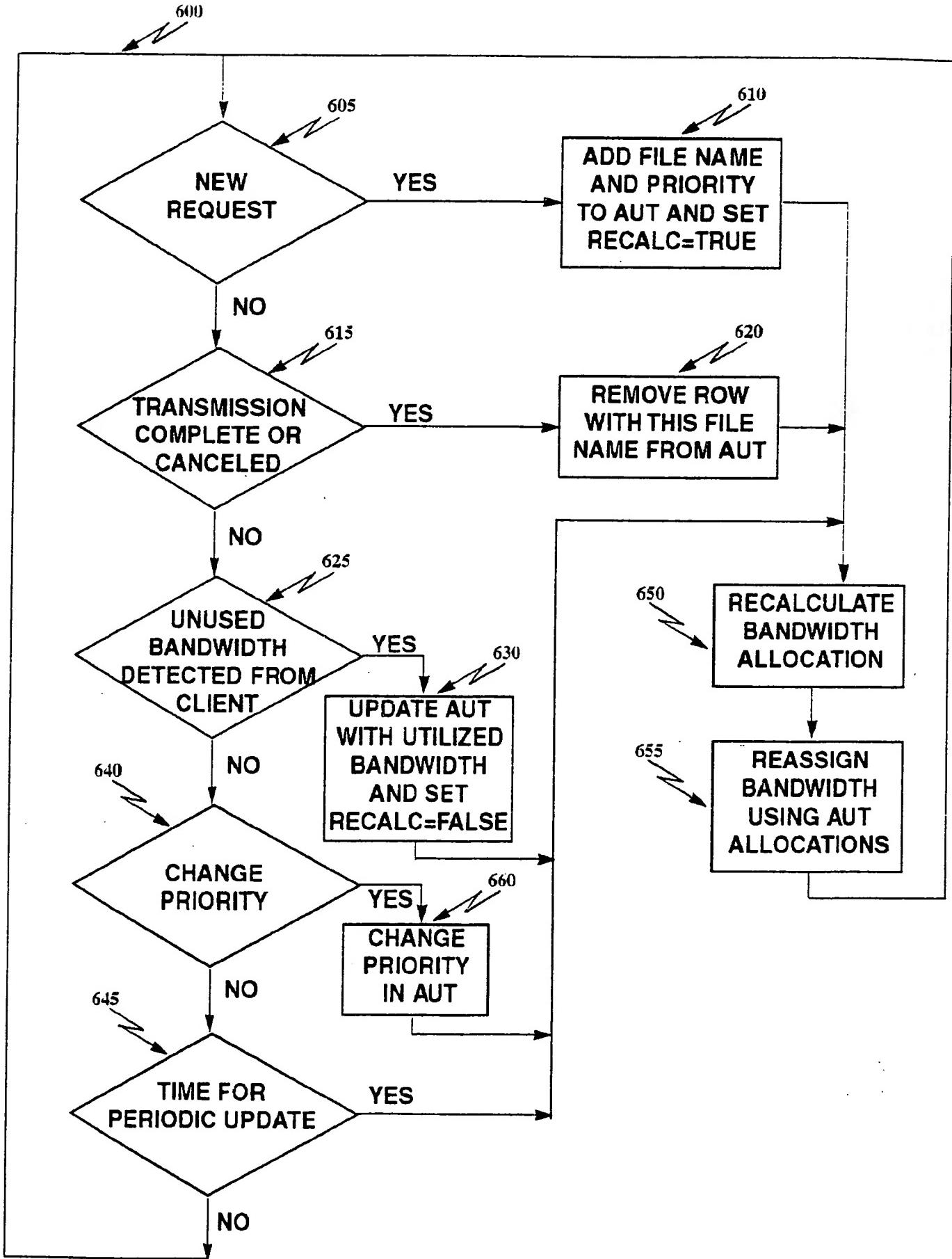


Figure 6

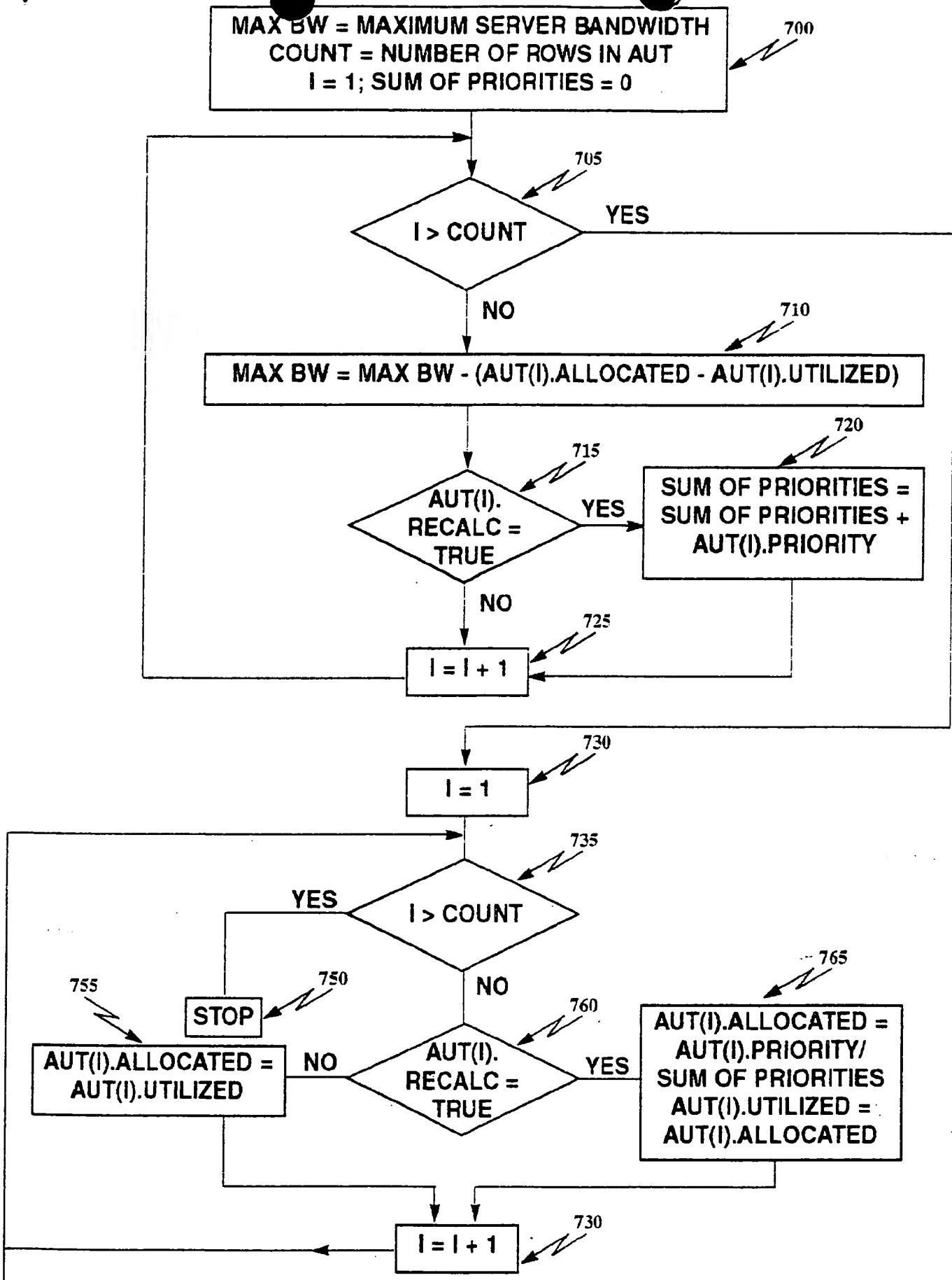


Figure 7A

INITIAL CONDITION

780

FILE TYPE	PRIORITY	ALLOCATED BANDWIDTH RATIO	ALLOCATED BANDWIDTH PERCENT	UTILIZED BANDWIDTH PERCENT	UNUSED BANDWIDTH PERCENT
HTML	4	4/6	66.7%	66.7%	0%
GIF	1	1/6	16.7%	16.7%	0%
JPG	1	1/6	16.7%	10.0%	6.7%

FINAL CONDITION AFTER RECALCULATION

790

FILE TYPE	PRIORITY	ALLOCATED BANDWIDTH RATIO	ORIGINAL ALLOCATED BANDWIDTH PERCENT	ADDITIONAL BANDWIDTH ADDED PERCENT	FINAL BANDWIDTH PERCENT
HTML	4	4/5	66.7%	$4/5 \times 6.7\% = 5.3$	72.0%
GIF	1	1/5	16.7%	$1/5 \times 6.7\% = 1.3$	18.0%
JPG	1	N/A			10%

Figure 7B

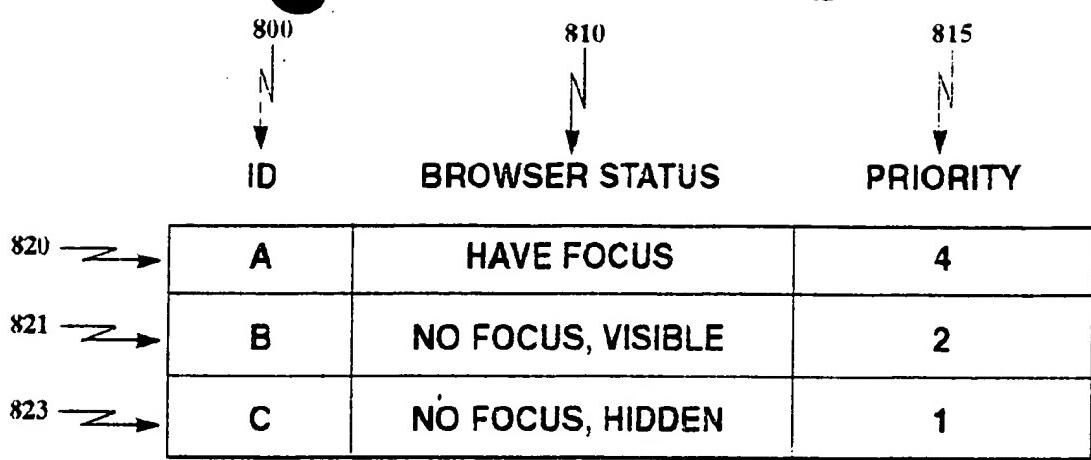


Figure 8A

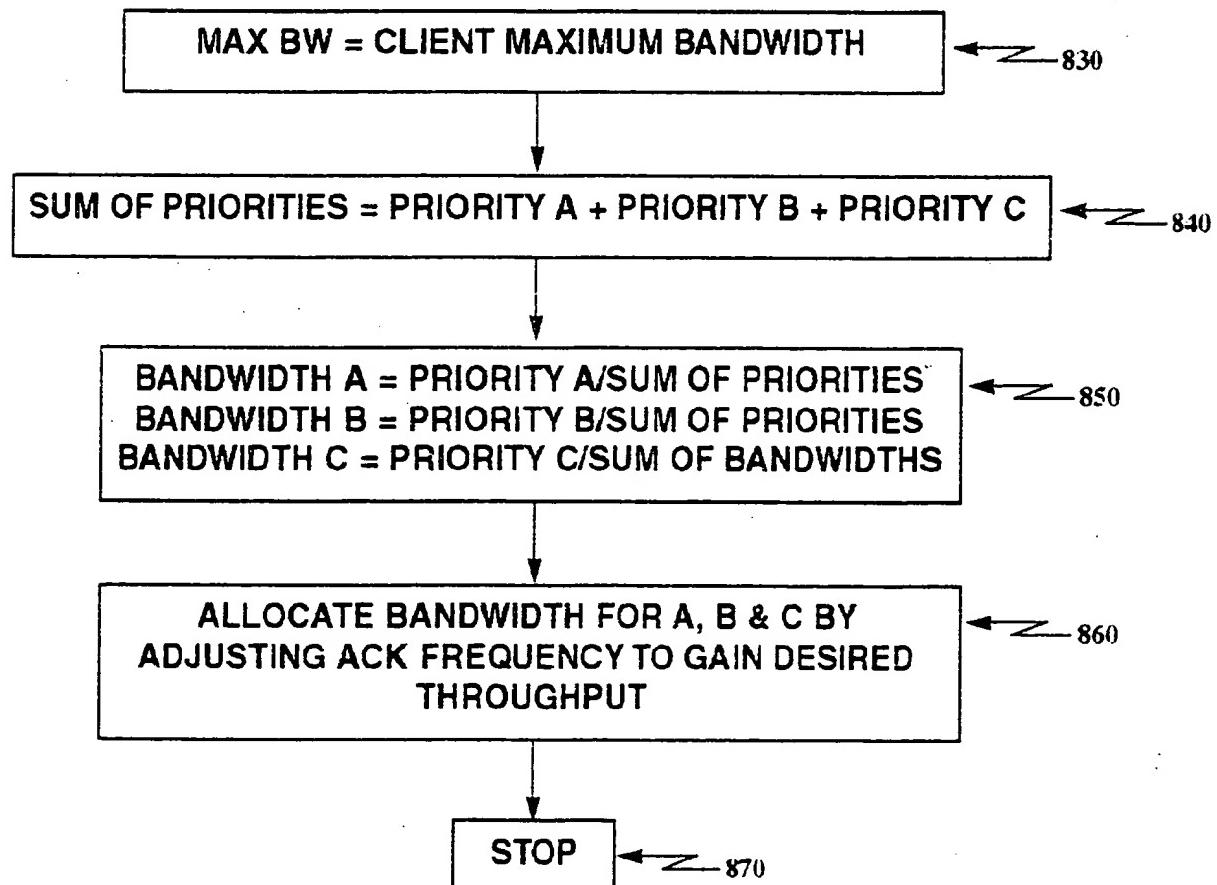


Figure 8B

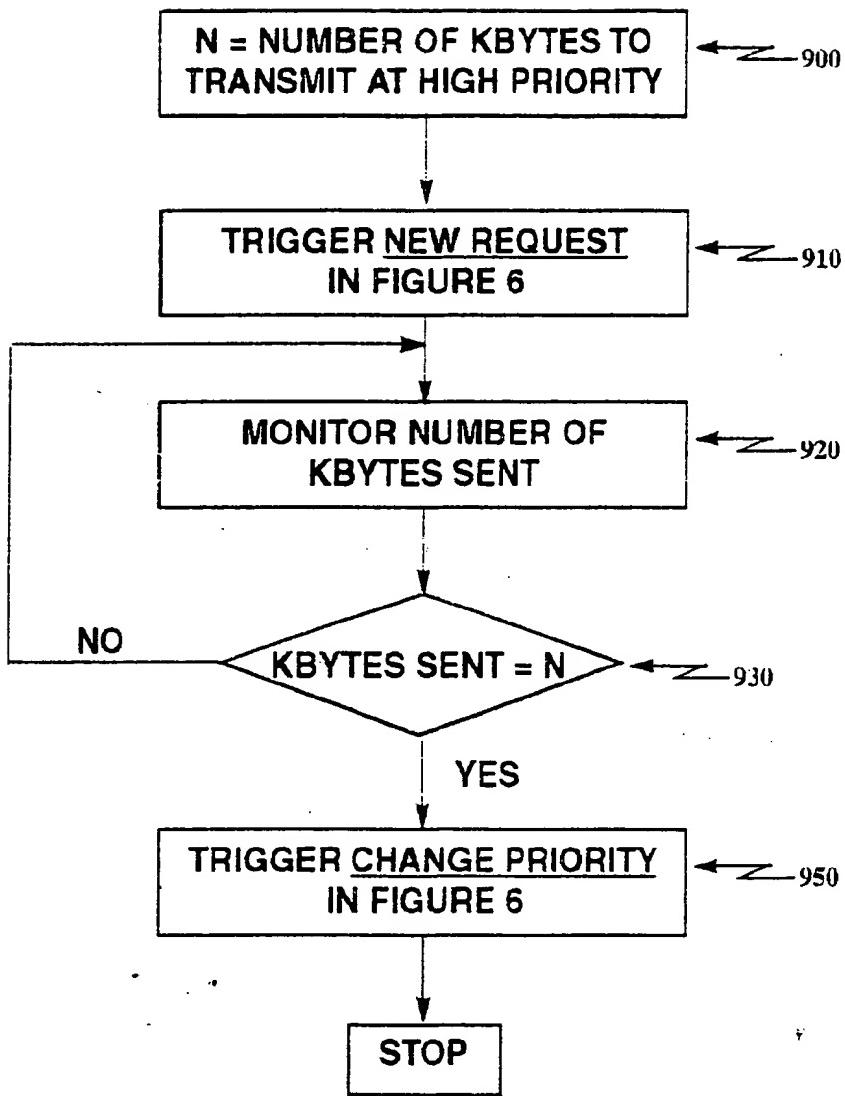


Figure 9

	HTML FILE NAME	KBYTES NEEDED TO RENDER PAGE 1
1006	doc1.html	10
1007	doc2.html	15
1008	doc3.html	13

Figure 10A

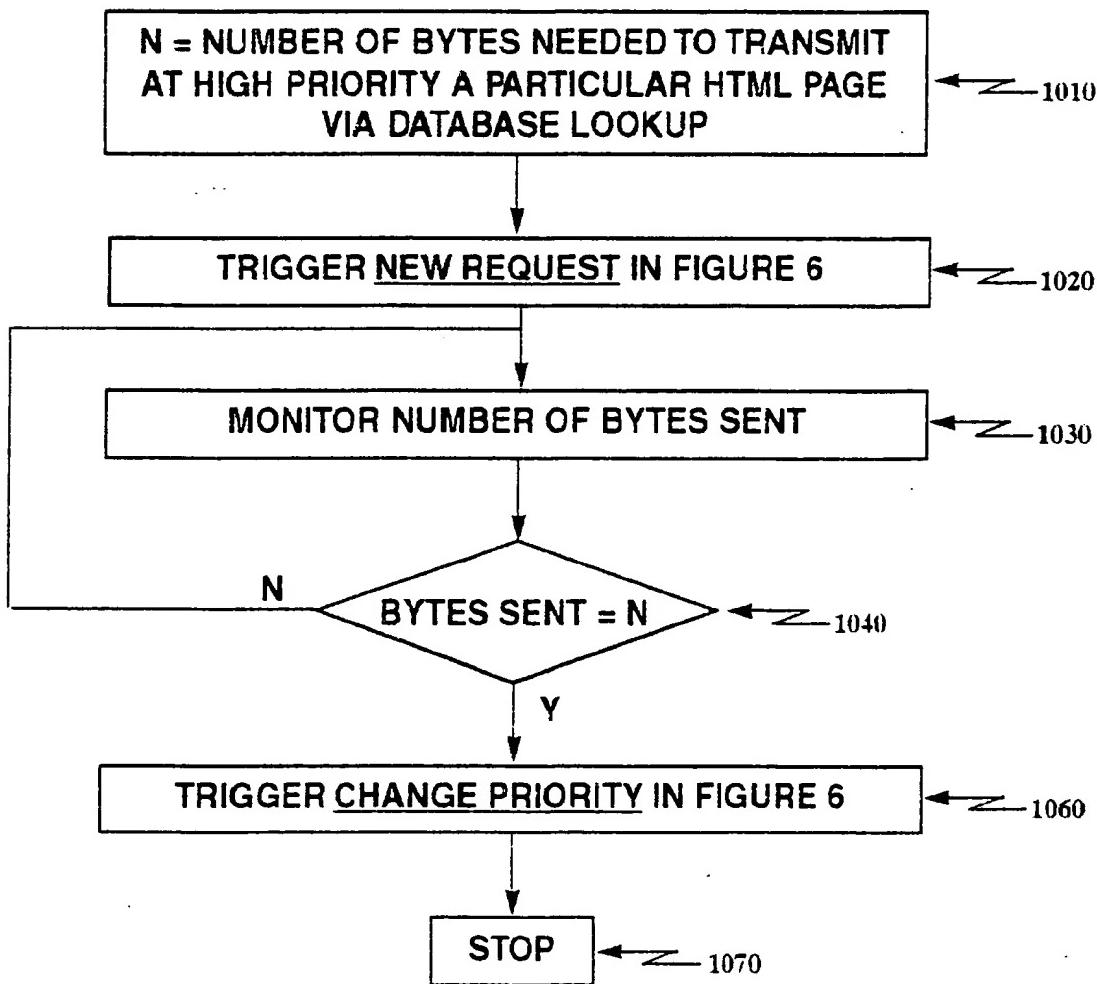


Figure 10B

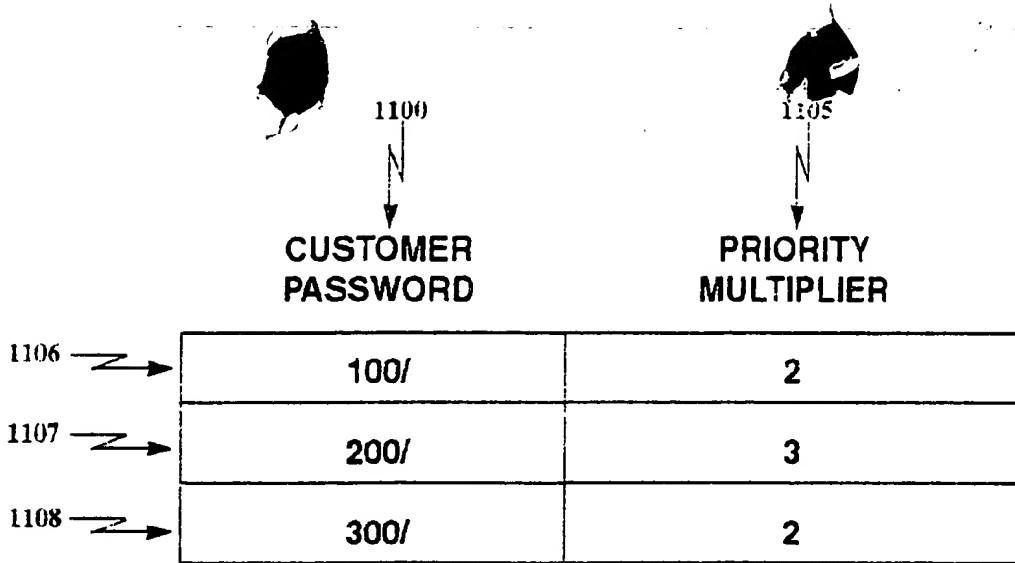


Figure 11A

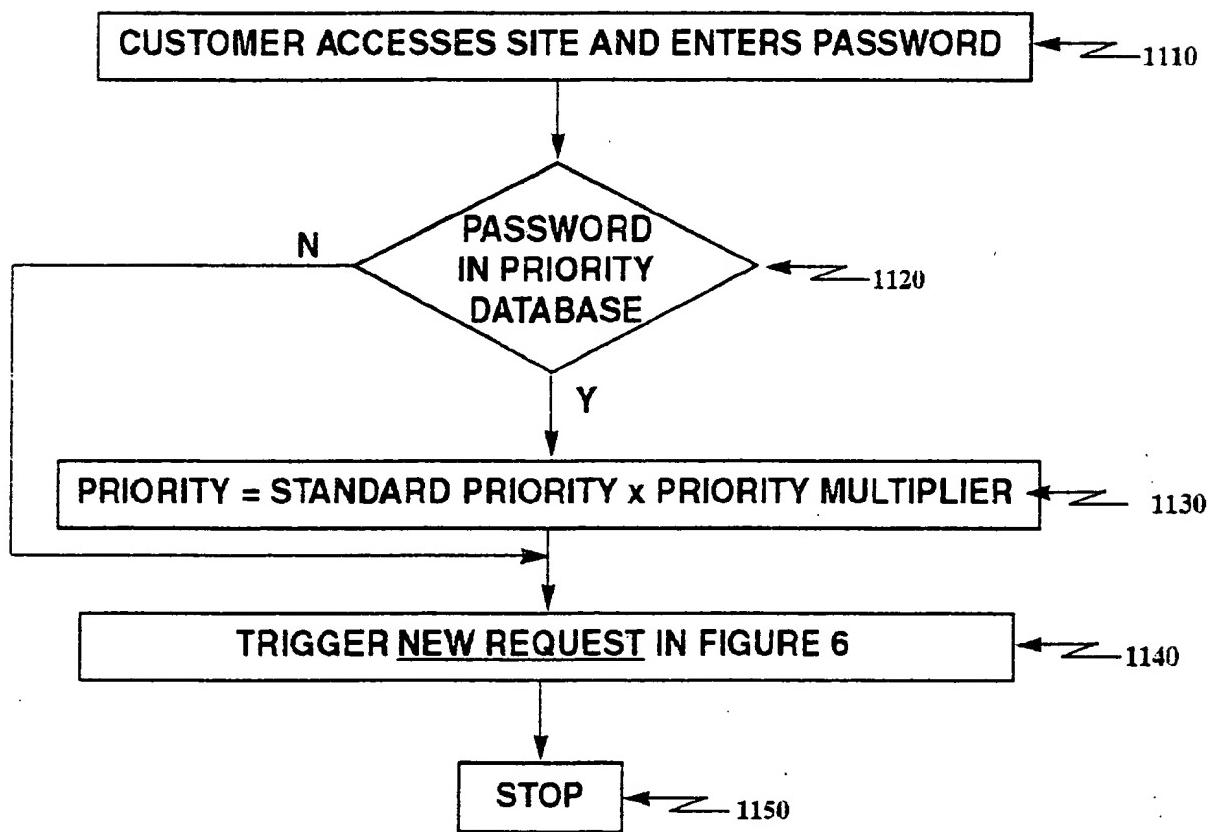


Figure 11B

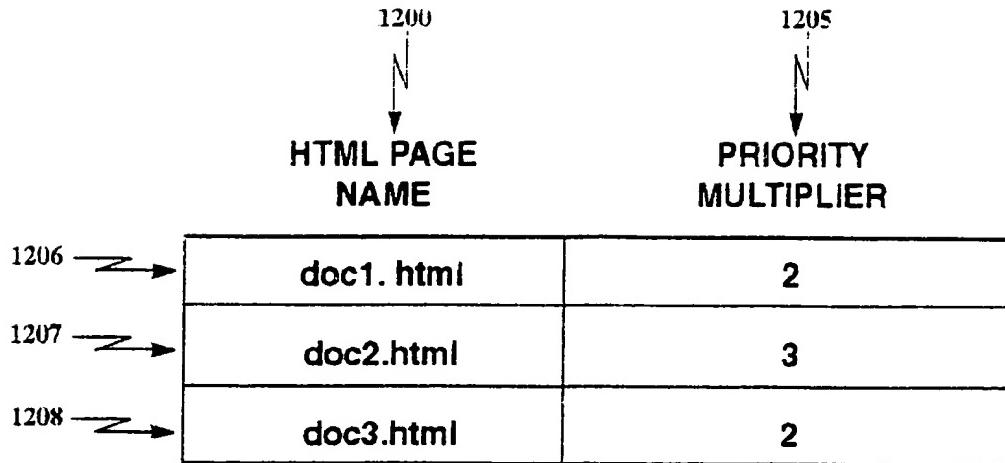


Figure 12A

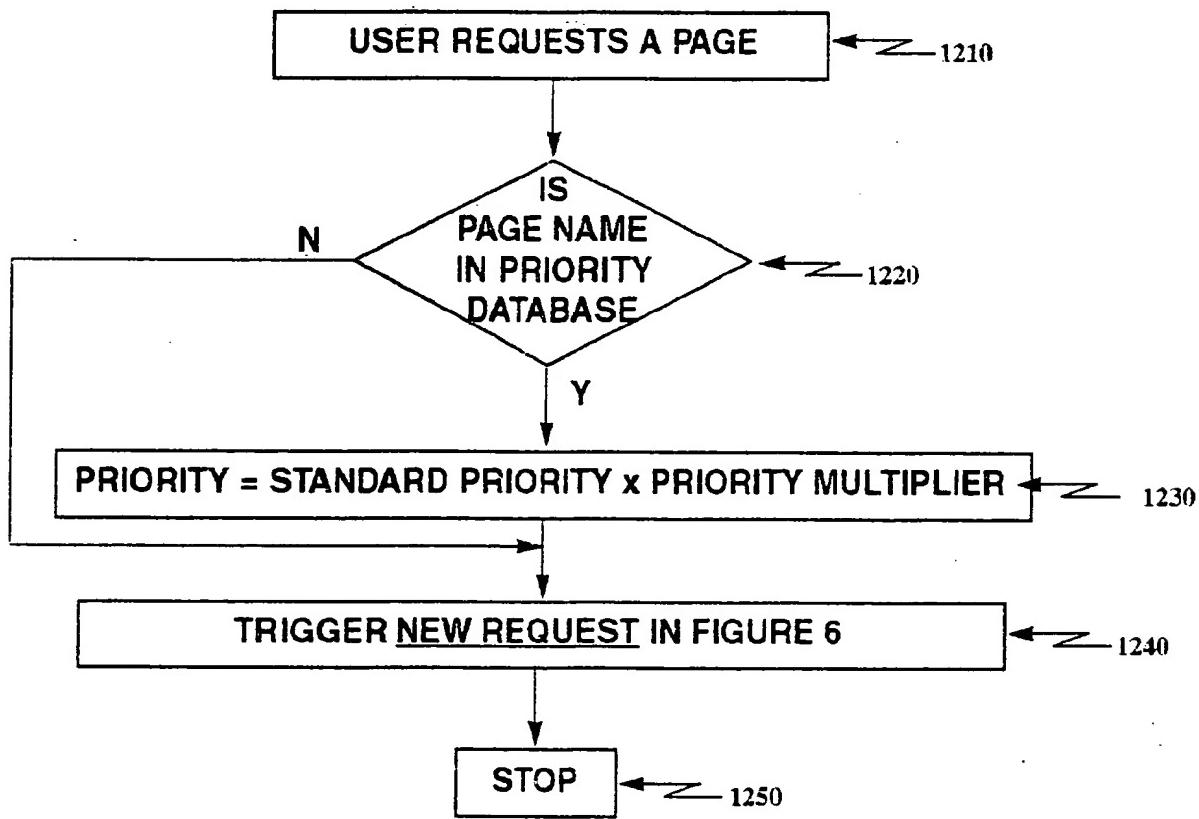


Figure 12B